

557

1

- 0967**

point codes within the out of band signaling from the host telecommunications switch.

7. The apparatus of claim 1 wherein the controller is configured to report incoming usage to the remote switching module from all other switches within the PSTN.
8. The apparatus of claim 1 wherein the controller is configured to report outgoing usage from the remote switching module to all other switches within the PSTN.
9. The apparatus of claim 1 wherein the controller is configured to report usage of the umbilical link between the host telecommunications switch and the remote switching module in both directions.
10. The apparatus of claim 1 wherein the controller is configured to report usage of the umbilical link for calls between lines terminated by the remote switching module.
11. The apparatus of claim 1 wherein the controller is configured to report total usage related to each outgoing point code for calls terminating at the remote switching module.
12. The apparatus of claim 1 wherein the controller is configured to report total usage related to each destination point code for calls terminating at the remote switching module.
13. A method for monitoring PSTN/RSM call traffic comprising the steps of:
(A) a controller receiving out of band signaling from a host telecommunications switch which channels calls from the PSTN to an RSM;

09560252.092101
TOT260.25209560

- (B) the controller trapping on out of band signaling related to a range of numbers related to lines terminated by a RSM; and
- (C) the controller gathering call information related to those calls of interest, calls associated with lines terminated by the RSM.

14. The method of claim 13 further comprising the step of:

- (D) the controller compiling call related data associated with the calls of interest.

15. The method of claim 14 further comprising the step of:

- (E) the controller providing reports related to the calls of interest.

16. The method of claim 14 wherein the step D of compiling data associated with calls of interest includes the step of:

- (D1) the controller monitoring calling number information within out of band signaling from the host telecommunications switch.

17. The method of claim 14 wherein the step D of compiling data associated with calls of interest includes the step of:

- (D2) the controller monitoring originating point codes within the out of band signaling from the host telecommunications switch.

18. The method of claim 14 wherein the step D of compiling data associated with calls of interest includes the step of:

- (D3) the controller monitoring destination point codes within the out of band signaling from the host telecommunications switch.

19. The method of claim 15 wherein the step E of reporting includes the step of:

09960332.092401
101260"25209660

(E1) the controller reporting incoming usage to the remote switching module from all other switches within the PSTN.

20. The method of claim 15 wherein the step E of reporting includes the step of:

(E2) the controller reporting outgoing usage from the remote switching module to all other switches within the PSTN.

21. The method of claim 15 wherein the step E of reporting includes the step of:

(E3) the controller reporting total usage related to each destination point code for calls terminating at the remote switching module.

22. A computer program product for use with an remote switch monitoring system comprising a computer usable medium having computer readable code thereon comprising:

code for receiving out of band signaling from a host telecommunications switch which channels calls from the PSTN to an RSM;

code for trapping on out of band signaling related to a range of numbers related to lines terminated by a RSM; and

code for gathering call information related to those calls of interest, calls associated with lines terminated by the RSM.

R 1.126 23
22.

The computer program product of claim 22 further comprising:

code for compiling call related data associated with the calls of interest.

24
23.

The computer program product of claim 22 further comprising:

code for providing reports related to the calls of interest.